

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A disc brake comprising:
a brake disc having two opposite sides;
two brake shoes, which for generating a clamping force are pressable against both sides of the brake disc;
an actuator device for actuating at least one of the brake shoes; and
at least one force transducer disposed in a first force transmission path between the actuator device and at least one of the brake shoes, wherein a maximum component of force acting upon the force transducer upon generating of the clamping force is limited.
2. (Previously Presented) The disc brake according to claim 1,
wherein a force transmission device is disposed between the at least one force transducer and the at least one brake shoe.
3. (Previously Presented) The disc brake according to claim 2,
wherein the force transmission device interacts via a two-dimensional section with the at least one force transducer.
4. (Previously Presented) The disc brake according to claim 1,
wherein the at least one force transducer is designed as a force-to-resistance transducer.
5. (Previously Presented) The disc brake according to claim 1,
wherein the at least one force transducer comprises a force-to-pressure transducer and a pressure-to-resistance transducer disposed functionally downstream of the force-to-pressure transducer.

6. (Previously Presented) The disc brake according to claim 5, wherein the pressure-to-resistance transducer is manufactured by single-chip technology.
7. (Previously Presented) The disc brake according to claim 2, wherein the at least one force transducer has a chamber, which is filled with a fluid and sealed by a diaphragm, which interacts with the force transmission device.
8. (Previously Presented) The disc brake according to claim 2, wherein between the actuator device and at least one of the brake shoes a second force transmission path is provided, which bypasses the at least one force transducer.
9. (Previously Presented) The disc brake according to claim 8, wherein the second force transmission path is activated when a force threshold value is exceeded.
10. (Previously Presented) The disc brake according to claim 9, wherein at least the forces exceeding the force threshold value are transmissible via the second force transmission path.
11. (Previously Presented) The disc brake according to claim 8, wherein the force transmission device is disposed at least in sections both in the first force transmission path and in the second force transmission path.
12. (Previously Presented) The disc brake according to claim 8, wherein the force transmission device has control elements for activating the second force transmission path.

13. (Previously Presented) The disc brake according to claim 12, wherein the control elements for activating the second force transmission path are formed by a first stop of the force transmission device, which first stop interacts with a second stop, which is coupled in a force transmission direction rigidly to a component of the actuator device.
14. (Previously Presented) The disc brake according to claim 2, wherein the force transmission device comprises a piston movable relative to the at least one force transducer.
15. (Previously Presented) The disc brake according to claim 2, wherein the force transmission device comprises an elastic reaction element movable relative to the at least one force transducer.
16. (Previously Presented) The disc brake according to claim 15, wherein the reaction element is disposed in the first force transmission path between a moveable piston and the at least one force transducer.
17. (Previously Presented) The disc brake according to claim 2, wherein the actuator device has a receiver for the at least one force transducer.
18. (Previously Presented) The disc brake according to claim 17, wherein the receiver for the at least one force transducer has a guide for the force transmission device.
19. (Previously Presented) The disc brake according to claim 18, wherein the guide for the force transmission device has at least one recess for receiving in sections an elastic reaction element in the event of its elastic deformation.

20. (Previously Presented) The disc brake according to claim 17,
wherein the actuator device comprises an at least translationally movable
actuator element, which is coupled in a force transmission direction rigidly to
the receiver.
21. (Previously Presented) The disc brake according to claim 20,
wherein the translationally movable actuator element has a hollow space, into
which the receiver extends at least in sections.
22. (Previously Presented) The disc brake according to claim 1,
wherein the actuator device comprises a nut/spindle arrangement.
23. (Previously Presented) The disc brake according to claim 22,
wherein a translationally movable actuator element is a component of the
nut/spindle arrangement or is coupled rigidly to a component of the nut/spindle
arrangement.
24. (Previously Presented) The disc brake according to claim 1,
wherein the actuator device converts a driving motion of a motor into an
actuating motion for actuating at least one of the brake shoes.
25. (Previously Presented) The disc brake according to claim 1,
wherein the actuator device is hydraulically actuatable.

26. (Previously Presented) A disc brake comprising:
- a brake disc;
 - two brake shoes pressable against the brake disc for generating a clamping force;
 - an actuator for actuating at least one of the brake shoes;
 - a force transducer arranged between the actuator and at least one of the brake shoes; and
 - a force limiting assembly for limiting the force acting upon the force transducer upon generation of the clamping force .
27. (Previously Presented) A disc brake comprising:
- a brake disc;
 - two brake shoes pressable against the brake disc for generating a clamping force;
 - an actuator for actuating at least one of the brake shoes;
 - a first force transmission path arranged between the actuator and at least one of the brake shoes;
 - a force sensing element disposed in the first force transmission path; and
 - a second force transmission path arranged between the actuator and at least one of the brake shoes, the second force transmission path bypassing the force sensing element.
28. (Previously Presented) The disc brake of claim 27,
- further comprising an activating assembly for activating the second force transmission path when a predefined force threshold value is exceeded.